

## LINKED SCANNER IMAGING SYSTEM AND METHOD

### ABSTRACT OF THE INVENTION

A device for image transmission includes a first scanner at a first location and a second scanner at a second location, with an optical fiber linking the scanners. The first scanner scans the first location and couples light from the first location to the optical fiber. The fiber transmits the light to the second location where the second scanner constructs an image of the second location from the light. The two scanners are synchronized so that the constructed image corresponds directly to the scanned scene. The second scanner may be part of a retinal scanner, so that the image is formed directly on the user's retina. In another embodiment, the each of the scanners acts as a transceiver so that imaging is bi-directional.